



PTO/SB/08a/b (07-05)

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Substitute for form 1449A/B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	10/523475-Conf. #2300	
			Filing Date	February 4, 2005	
			First Named Inventor	Magdalene M. MORAN	
			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	2	Attorney Docket Number	110313.139 US2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Footnote
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	WO-00/61624	10-19-2000	Human Genome Sciences, Inc.		
	BB	WO-01/07611	02-01-2001	Genentech, Inc.		
	BC	WO-01/54477	08-02-2001	Hyseq, Inc.		
	BD	WO-01/75067	10-11-2001	Hyseq, Inc.		
	BE	WO-02/090567	11-14-2002	Children's Medical Center, Corporation		
	BF	WO-03/089583	10-30-2003	Origene Technologies, Inc.		
	BG	WO-03/091434	11-06-2003	Takeda Chemical Industries, Ltd.		
	BH	WO-03/099865	12-04-2003	Inpharmatica Limited		

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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	CA	Arnoult et al., "Activation of mouse sperm T-type Ca ²⁺ channels by adhesion to the egg zona pellucida," Proc. Natl. Acad. Sci. USA, Vol. 93, pp. 13004-13009.		
	CB	Bedford, "Mammalian Fertilization Misread? Sperm Penetration of the Eutherian Zona Pellucida Is Unlikely to be a Lytic Event," Biology of Reproduction, Vol. 59, pp. 1275-1287.		
	CC	Darszon et al., "Ion Channels in Sperm Physiology," Physiological Reviews, Vol. 79, No. 2, April 1999, pp. 481-510.		
	CD	Database EMBL, 11 October 2001, XP002314905, Database Accession No. AAS90759		
	CE	Database EMBL, 14 November 1997, XP002314900, Database Accession No. AA662668		
	CF	Database EMBL, 2 March 2000, XP002314904, Database Accession No. AW472972		
	CG	Database EMBL, 3 March 2000, XP002306736, Database Accession No. AA416577		
	CH	Database EMBL, 2 December 2000, XP002314901, Database Accession No. BF436942		
	CI	Database EMBL, 9 May 2001, XP002314908, Database Accession No. BG718343		
	CJ	Database EMBL, 8 June 2000, XP002314899, Database Accession No. AW971983		
	CK	Database EMBL, 8 October 2001, XP002314906, Database Accession No. BI826910		
	CL	Database EMBL, 15 October 2001, XP002306740, Database Accession No. AF407332		
	CM	Database EMBL, 29 November 2001, XP002314910, Database Accession No. ABL90376		
	CN	Database EMBL, 1 December 2001, XP002306739, Database Accession No. Q91ZR5		

Examiner Signature		Date Considered	
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	CO	Database EMBL, 11 September 1997, XP002314902, Database Accession No. AA574312	
	CP	Database EMBL, 30 November 1999, XP002314903, Database Accession No. AW197851	
	CQ	Database EMBL, 3 March 2000, XP002306735, Database Accession No. AA416682	
	CR	Database EMBL, 30 May 2000, XP002306734, Database Accession No. AP000586	
	CS	Database EMBL, 20 October 2000, XP002314898, Database Accession No. BF092492	
	CT	Database EMBL, 25 January 2001, XP002314968, Database Accession No. BF934163	
	CU	Database EMBL, 8 October 2001, XP002314907, Database Accession No. BI829451	
	CV	Database EMBL, 15 October 2001, XP002306738, Database Accession No. AF407333	
	CW	Database EMBL, 29 November 2001, XP002314911, Database Accession No. ABB89967	
	CX	Database EMBL, 1 December 2001, XP002306737, Database Accession No. Q96P76	
	CY	Database EMBL, 25 March 2004, XP002314912, Database Accession No. ACN41330	
	CZ	Database EMBL, 9 May 2001, XP002314909, Database Accession No. BG718245	
	CA1	Garbers, "Ion channels. Swimming with sperm," Nature, Vol. 413, No. 6856, Oct 2001, pp. 579, 581-582, XP 002314956	
	CB1	Hyne and Garbers, "Calcium-dependent increase in adenosine 3', 5'-monophosphate and induction of the acrosome reaction in guinea pig spermatozoa," Proc. Natl. Acad. Sci. USA, Vol. 76, No. 11, pp. 5699-5703.	
	CC1	Jungnickel et al., "Trp2 regulates entry of Ca2+ into mouse sperm triggered by egg ZP3," Nature Cell Biology, Vol. 3, May 2001, pp. 499-502.	
	CD1	O'Toole et al., "Ca2+ Entry through Store-operated Channels in Mouse Sperm Is Initiated by Egg ZP3 and Drives the Acrosome Reaction," Molecular Biology of the Cell, Vol. 11, pp. 1571-1584, May 2000.	
	CE1	Quill et al., "A voltage-gated ion channel expressed specifically in spermatozoa," PNAS, Vol. 98, No. 22, 12527-12531.	
	CF1	Ren et al., A Sperm Ion Channel Required for Sperm Motility and Male Fertility," Nature, Macmillan Journals Ltd., London, Vol. 413, No. 6856, October 11, 2001, pp 603-609	
	CG1	Santi et al., "A dihydropyridine-sensitive T-type Ca2+ current is the main Ca2+ current carrier in mouse primary spermatocytes," American Journal of Physiology, Vol. 271, pp. C1583-93, 1996.	
	CH1	Serrano et al., "Voltage-dependent Ca2+ channel subunit expression and immunolocalization in mouse spermatogenic cells and sperm," FEBS Letters, 462, pp. 171-176, 1999.	
	CI1	Strausberg, Homo Sapiens, Clone Image. 03 March 2003, pages 1-3, especially pages 2-3.	
	CJ1	Tash, "Role of the eAmp, Calcium, and Protein Phosphorylation in Sperm Motility," Controls of Sperm Motility: Biological and Clinical Aspects, ed. Gagnon, pp. 229-240, 1990.	
	CK1	Wassarman et al., "A profile of fertilization in mammals," Nature Cell Biology, Vol. 3, E59-E64, February 2001.	
	CL1	Wennemuth et al., "Cav2.2 and Cav2.3 (N- and R-type) Ca2+ Channels in Depolarization-evoked Entry of Ca2+ into Mouse Sperm," The Journal of Biological Chemistry, Vol. 275, No. 28, pp. 21210-21217, 2000.	
	CM1	Weyand et al., "Cloning and functional expression of a cyclic nucleotide-gated channel from mammalian sperm," Nature, Vol. 368, pp. 859-863, April 28 1994.	
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	CO1	Yanigimachi, "Mammalian Fertilization," The Physiology of Reproduction, Second Edition, eds. Knobil and Neill, pp. 189-317, 1994.	

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Examiner Signature	/Robert Mondesi/	Date Considered	03/18/2008
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